

# Four natural sources of renewable energy



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### What Are The 4 Renewable Energy Sources?

It's crucial to recognize the potential of these four renewable energy sources-solar, wind, hydropower, and geothermal-not only as alternatives but as essential

### Nonrenewable

Energy sources are either nonrenewable or renewable. Nonrenewable sources cannot be replenished (made again) in a short period of time. On the other hand, renewable energy sources, such as solar



### Sources of energy

Nonrenewable energy In the United States, nonrenewable energy is the primary source of the energy we use, which includes: Petroleum Hydrocarbon gas liquids Natural gas Coal Nuclear energy These

### Sources of energy

An introduction to renewable and nonrenewable energy sources and the major types of each.



### Biomass explained

Biomass-renewable energy from plants and animals Biomass is renewable organic material that comes from plants and animals. Biomass can be burned directly for heat or converted to

### U.S. energy facts explained

The energy mix The United States uses and produces many different types and sources of energy, which can be grouped into general categories: Primary energy sources include fossil fuels



### Renewable energy explained

What role does renewable energy play in the United States? Until the mid-1800s, wood was the source of nearly all the nation's energy needs for heating, cooking, and lighting. From the

### Renewable energy , Types, Advantages, & Facts

Renewable energy, usable energy derived from replenishable



### Renewable Energy Explained

Solar, wind, hydroelectric, biomass, and geothermal power can provide energy without the planet-warming effects of fossil fuels.

### United States

Natural gas is the second-largest in-state source of net generation, fueling 18% of the state's total electricity generation in 2024. Renewable resources other than hydroelectric power accounted for



### Electricity explained



The three major categories of energy for electricity generation are fossil fuels (coal, natural gas, and petroleum), nuclear energy, and renewable energy. Most electricity is generated with steam turbines

## Renewable

Renewable energy sources include biomass (which includes biofuels), hydropower, geothermal, wind, and solar. In 2023, about 9% of U.S energy consumption was from renewable energy. Most of



## U.S. energy facts

Data source: Monthly Energy Review, April 24, 2025; preliminary data for 2024 Note: Sum of share of totals below may not equal 100% because of independent rounding. 1 Excludes pumped-storage

## What Are The 4 Renewable Energy Resources?

By acknowledging the significance of these energy sources, we can pave the way toward a more sustainable future. Among the myriad of renewable energy options available today, four stand out



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